

Please cancel the abstract, and add the following new abstract:

An optical communication system has a plastic optical fiber (POF) and an optical communication module. The POF has a spherical end surface, and light emitted from the spherical end surface has an NA of 0.35 or lower. The POF is installed in the module such that a light receiving surface of a light receiving element (PD) is at a distance, d , from an apex of the spherical end surface. The distance, d , is within a range of $0 < d \leq r \cdot D / (n - n_1)$ when a PD diameter is not larger than D , and within a range of $D \leq d \leq r \cdot D / (n - n_1)$ when the PD diameter is larger than D , where D is a diameter of the POF, $r \cdot D$ is a radius of curvature of the spherical end surface, n is a refractive index of a core of the POF, and n_1 is a refractive index of a substance between the spherical end surface and the PD.